

Micro-Fit Overmolded Plug Adapters

molex

Micro-Fit Overmolded Plug Adapters allow for daisy-chain extension connections between female cable assemblies helping reduce total cable inventory and increase versatility for off-the-shelf Micro-Fit Overmolded Cable Assemblies

Features and Advantages

Enables receptacles to act as plugs

Eases inventory issues by eliminating the need to stock both receptacle and plug versions of cables

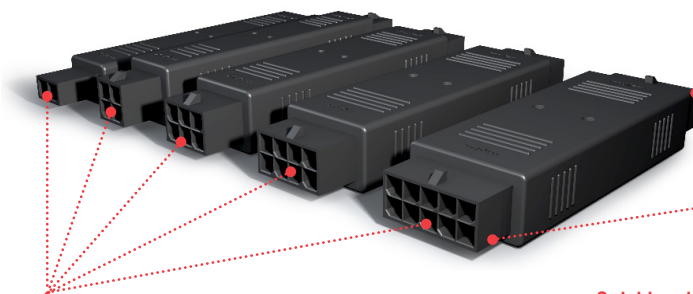


Micro-Fit Overmolded Plug Adapters, 2 to 10 Circuits



Eliminates the need to crimp in the field

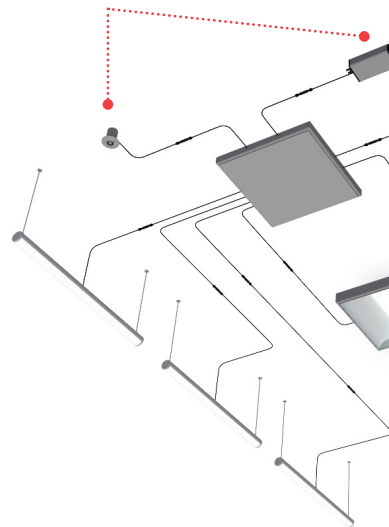
Ensures a reliable connection by avoiding potential crimping issues



Compatible with dual row 2,4,6,8, and 10 circuit Micro-Fit cable assemblies
Design flexibility

Micro-Fit Overmolded Plug Adapter, 2-10 Circuit

Quickly add-on sensors and gateways



Easy to extend configurations for varying lengths

No need to stock multiple variations of cable lengths

Potential to couple up to 5A power

Applications

Home Appliance

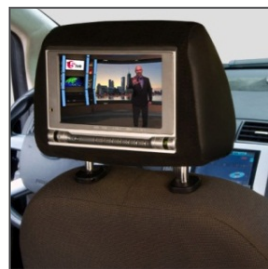
- Ovens
- Washer and dryers
- IoT device makers

Consumer

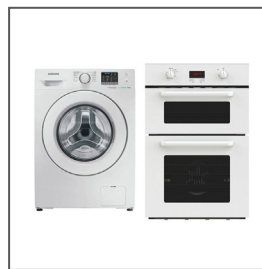
- Furniture
- Airport charging stations
- Handheld devices
- ATM machines
- Smart shelving
- LED lighting

Commercial Vehicles

- Infotainment



Car Infotainment System



Washers and Ovens



Airport Charging Station

Micro-Fit Overmolded Plug Adapters



Specifications

REFERENCE INFORMATION

Packaging: UL File No.: E29179
CSA File No.: LR19980
Terminal Used:
Micro-Fit 3.0 Tin terminals (Series 43030)
Designed In: Millimeters
RoHS: Yes
Halogen Free: No
Glow Wire Compliant: Optional, Contact Molex

ELECTRICAL

Electrical
Voltage (max.): 300V
Current (max.): 5.0A
Contact Resistance (max.): 10 milliohms
Dielectric Withstanding Voltage: <5mA
Insulation Resistance (min.): 1,000 Megaohms

MECHANICAL

Contact Insertion Force (max.): 14.7N per contact
Contact Retention to Housing (min.): 24.5N
Mating Force (max.): 8N per circuit
Unmating Force (min.): 3.7N per circuit
Durability (max.): typically 30 cycles

PHYSICAL

Pitch: 3.00mm
Connector Operating Temperature: -40 to +105°C
Overmolding: PVC



Ordering Information

Series No.	Circuits	Color	Released
245132	2,4,6,8,10	Black	Yes
245135	2,4,6,8,10	Black	No

www.molex.com/link/overmolded-adapters.html

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners.